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24. (b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

25. (Five Times Amended) An isolated, enriched, or purified nucleic acid molecule:

(a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2 and at least one [two or more] MDK1 domains selected from the group consisting of amino acids 18 to 538 of SEQ ID NO:2, or amino acids 555 to 579 of SEQ ID NO:2[, and amino acids 580 to 998 of SEQ ID NO:2]; or

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(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

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26. (Three Times Amended) A host cell which is generically engineered to express the nucleic acid of claim, 19, [21, 22,] 24 or 25.

Please add the following new claims:

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28. A recombinant nucleic acid:

(a) encoding a MDK1 polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

~~10~~ 29. A recombinant nucleic acid:

- (a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2; or
- (b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

30. A recombinant nucleic acid:

- (a) encoding MDK1.Δ1 set forth in SEQ ID NO:11; or MDK1.Δ2 set forth in SEQ ID NO:1 or
- (b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

~~12~~ 31. A recombinant nucleic acid:

- (a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2 and at least one MDK1 domains selected from the group consisting of amino acids 18 to 538 of SEQ ID NO:2 or amino acids 555 to 579 of SEQ ID NO:2; or
- (b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

~~13~~ 32. A host cell which is generically engineered to express the nucleic acid of claim, ~~28, 29, 30 or 31~~

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33. An isolated, enriched, or purified nucleic acid molecule comprising

- (a) the nucleotide sequence set forth in SEQ ID NO:1; or
- (b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).--
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